

Table ENG-2. - Construction Materials

New Kent County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Altavista	85	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Depth to saturated zone	0.53
		Too acid	0.21	Depth to saturated zone	0.53	Too acid	0.76
2A:							
Altavista	50	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Depth to saturated zone	0.53
		Too acid	0.21	Depth to saturated zone	0.53	Too acid	0.76
Dogue	30	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.76	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.99	Depth to saturated zone	0.76
Roanoke	5	Not Rated		Not Rated		Not Rated	
3A:							
Augusta	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Depth to saturated zone	0.14
		Too acid	0.54	Low strength	0.22	Too acid	0.98
Tomotley	3	Not Rated		Not Rated		Not Rated	
Nimmo	2	Not Rated		Not Rated		Not Rated	
4A:							
Bohicket	80	Poor		Poor		Poor	
		Sodium content	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too clayey	0.08	Low strength	0.00	Sodium content	0.00
		Salinity	0.50	Shrink-swell	0.39	Salinity	0.00
Johnston	5	Not Rated		Not Rated		Not Rated	
Mattan	4	Not Rated		Not Rated		Not Rated	
Lanexa	3	Not Rated		Not Rated		Not Rated	
5A:							
Bojac	75	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.92
		Low content of organic matter	0.13				
		Too acid	0.39				

Table ENG-2. - Construction Materials - Continued

New Kent County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6B:							
Caroline	85	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid	0.12	Shrink-swell	0.91	Too acid	0.60
		Low content of organic matter	0.13				
7B:							
Caroline	40	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid	0.12	Shrink-swell	0.91	Too acid	0.60
		Low content of organic matter	0.13				
Emporia	35	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
7C:							
Caroline	40	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid	0.12	Shrink-swell	0.91	Too acid	0.60
		Low content of organic matter	0.13				
Emporia	35	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
8A:							
Catpoint	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00				
		Low content of organic matter	0.13				
9A:							
Conetoe	80	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00			Too acid	0.98
		Low content of organic matter	0.13				
10B:							
Craven	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.87	Too acid	0.60
		Low content of organic matter	0.13	Depth to saturated zone	0.89	Depth to saturated zone	0.89

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10C:							
Craven	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.87	Too acid	0.60
		Low content of organic matter	0.13	Depth to saturated zone	0.89	Depth to saturated zone	0.89
11B:							
Craven	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.87	Too acid	0.60
		Low content of organic matter	0.13	Depth to saturated zone	0.89	Depth to saturated zone	0.89
Caroline	25	Fair		Poor		Fair	
		Too clayey	0.08	Low strength	0.00	Too Clayey	0.05
		Too acid	0.12	Shrink-swell	0.91	Too acid	0.60
		Low content of organic matter	0.13				
12B:							
Craven	40	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.87	Too acid	0.60
		Low content of organic matter	0.13	Depth to saturated zone	0.89	Depth to saturated zone	0.89
Uchee	35	Poor		Good		Poor	
		Wind erosion	0.00	No shrink-swell limitation	>0.99	Too sandy	0.00
		Too sandy	0.00			Too acid	0.88
		Too acid	0.32				
13A:							
Dogue	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.76	Too acid	0.60
		Low content of organic matter	0.13	Shrink-swell	0.99	Depth to saturated zone	0.76
Roanoke	5	Not Rated		Not Rated		Not Rated	
14A:							
Dragston	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.29	Depth to saturated zone	0.29
		Too acid	0.32			Too acid	0.88
Nimmo	5	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
15B:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15B:							
Emporia	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
16A:							
Johnston	85	Fair		Poor		Poor	
		Too acid	0.50	Depth to saturated zone	0.00	Depth to saturated zone	0.00
						Too acid	0.88
Bohicket	3	Not Rated		Not Rated		Not Rated	
Lanexa	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
17B:							
Kempsville	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
18B:							
Kempsville	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
19B:							
Kempsville	50	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
Emporia	30	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
19C:							
Kempsville	50	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.54			Too acid	0.98

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19C:							
Emporia	30	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
20B:							
Kempsville	45	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.54			Too acid	0.98
Suffolk	30	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.21				
21A:							
Lanexa	80	Fair		Poor		Poor	
		Too acid	0.08	Depth to saturated zone	0.00	Depth to saturated zone	0.00
						Content of organic matter	0.00
						Too acid	0.50
Johnston	4	Not Rated		Not Rated		Not Rated	
Mattan	4	Not Rated		Not Rated		Not Rated	
Bohicket	3	Not Rated		Not Rated		Not Rated	
22A:							
Mattan	85	Not Rated		Poor		Not Rated	
				Depth to saturated zone	0.00		
Lanexa	5	Not Rated		Not Rated		Not Rated	
23A:							
Munden	85	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.54			Too acid	0.98
24A:							
Nawney	75	Fair		Poor		Poor	
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Low strength	0.00	Too acid	0.60
				Shrink-swell	0.95		
Tomotley	4	Not Rated		Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
24A:							
Johnston	3	Not Rated		Not Rated		Not Rated	
Mattan	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Lanexa	2	Not Rated		Not Rated		Not Rated	
25A:							
Nawney	75	Fair		Poor		Poor	
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Low strength	0.00	Too acid	0.60
				Shrink-swell	0.95		
Tomotley	4	Not Rated		Not Rated		Not Rated	
Johnston	3	Not Rated		Not Rated		Not Rated	
Mattan	3	Not Rated		Not Rated		Not Rated	
Nimmo	3	Not Rated		Not Rated		Not Rated	
Lanexa	2	Not Rated		Not Rated		Not Rated	
26D:							
Nevarc	40	Poor		Fair		Poor	
		Too clayey	0.00	Depth to saturated zone	0.76	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.99	Slope	0.63
		Too acid	0.21	No strength limitation	>0.99	Depth to saturated zone	0.76
Remlik	35	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.30
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.21			Too acid	0.76
26E:							
Nevarc	40	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Too Clayey	0.00
		Too acid	0.21	Shrink-swell	0.99	Depth to saturated zone	0.76
Remlik	35	Poor		Fair		Poor	
		Wind erosion	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13			Too sandy	0.30
		Too acid	0.21			Too acid	0.76

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26F:							
Nevarc	40	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Too Clayey	0.00
		Too acid	0.21	Shrink-swell	0.99	Depth to saturated zone	0.76
Remlik	35	Poor		Poor		Poor	
		Wind erosion	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13			Too sandy	0.30
		Too acid	0.21			Too acid	0.76
27A:							
Nimmo	85	Fair		Poor		Poor	
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13			Too acid	0.60
Tomotley	4	Not Rated		Not Rated		Not Rated	
Nawney	3	Not Rated		Not Rated		Not Rated	
28B:							
Norfolk	85	Fair		Fair		Fair	
		Too acid	0.12	Low strength	0.78	Too acid	0.60
		Low content of organic matter	0.13				
29B:							
Orangeburg	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.88
		Too acid	0.32				
30A:							
Pamunkey	85	Fair		Fair		Good	
		Low content of organic matter	0.13	Low strength	0.22		
		Too acid	0.97				
30B:							
Pamunkey	85	Fair		Fair		Good	
		Low content of organic matter	0.13	Low strength	0.22		
		Too acid	0.97				
31A:							

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31A:							
Roanoke	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.12				
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
				Shrink-swell	0.87	Too acid	0.60
Tomotley	5	Not Rated		Not Rated		Not Rated	
32A:							
Seabrook	80	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.01
		Too sandy	0.01				
		Low content of organic matter	0.13				
Nimmo	3	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
33A:							
Slagle	80	Fair		Fair		Fair	
		Too acid	0.12	Depth to saturated zone	0.76	Too acid	0.60
		Low content of organic matter	0.13			Depth to saturated zone	0.76
34B:							
Slagle	50	Fair		Fair		Fair	
		Too acid	0.12	Depth to saturated zone	0.76	Too acid	0.60
		Low content of organic matter	0.13			Depth to saturated zone	0.76
Emporia	35	Fair		Fair		Fair	
		Low content of organic matter	0.13	Low strength	0.22	Too acid	0.98
		Too acid	0.54				
35A:							
State	80	Fair		Fair		Fair	
		Too acid	0.12	Low strength	0.78	Too acid	0.60
		Low content of organic matter	0.13				
36B:							
Suffolk	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.21				

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
37A:							
Tarboro	85	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.26
		Droughty	0.06			Rock fragments	0.88
		Low content of organic matter	0.13				
38A:							
Tetotum	80	Fair		Poor		Fair	
		Too acid	0.12	Low strength	0.00	Depth to saturated zone	0.53
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Too acid	0.60
		Water erosion	0.99				
Roanoke	5	Not Rated		Not Rated		Not Rated	
39A:							
Tomotley	85	Fair		Poor		Poor	
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13			Too acid	0.76
Johnston	3	Not Rated		Not Rated		Not Rated	
Nawney	2	Not Rated		Not Rated		Not Rated	
40B:							
Uchee	85	Poor		Good		Poor	
		Wind erosion	0.00	No shrink-swell limitation	>0.99	Too sandy	0.00
		Too sandy	0.00			Too acid	0.88
		Too acid	0.32				
41B:							
Udorthents	80	Not Rated		Not Rated		Not Rated	
42A:							
Wahee	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13	Shrink-swell	0.90	Too acid	0.60
Roanoke	3	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	